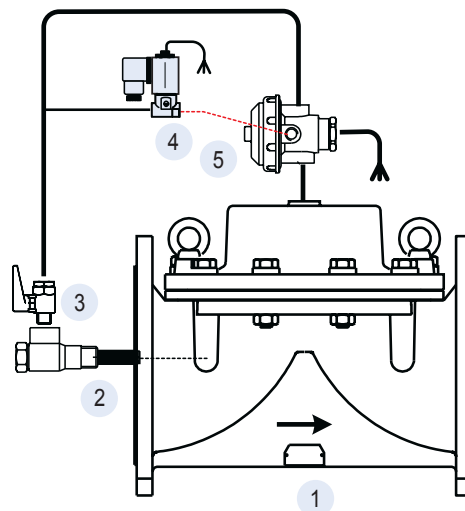


Electric Float Controlled Valve



Description

An electric sensor float, located in the tank/reservoir, sends a command to a solenoid controlled valve. The main valve will fully open when the solenoid activated and will close drip tight when the solenoid de-energized, thus enabling accurate and reliable differential level control.
Optional Addition: Stepped Surge-Preventing Closure.

Features

- Accurate and repeatable differential level control
- Low power electric activation
- Fast response
- Simple and reliable design
- Easy installation and maintenance

Purchase Specifications

The valve will be hydraulic, direct sealing diaphragm type, which allows inline maintenance. No stem, shaft or guide bearing will be located within the water passage.
The valve will be activated by the line pressure or by an external hydraulic or pneumatic pressure. The valve position will be controlled by an electric solenoid valve activated from a float in the tank/reservoir. The valve and the controls will be a Dorot Series 100 valve or similar in all aspects.

Quick Sizing

- Valve size same as line or one size smaller
- Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

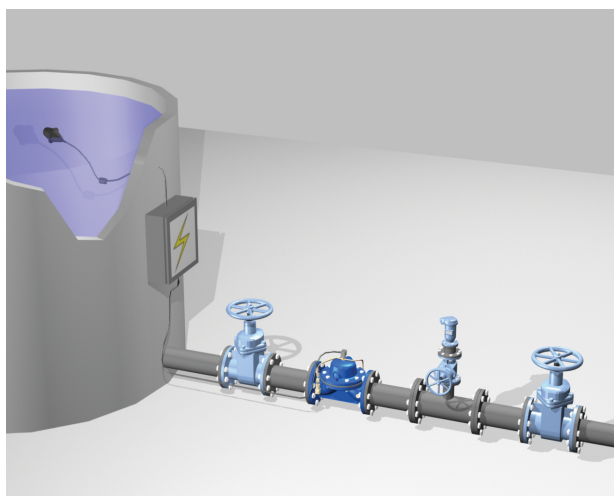
Design Considerations

- The valve should be suited for the maximal flow and allowed headloss
- The valve can be opened by the electric command (NC) or closed by it (NO). The definition refers to the main valve operation and not to the solenoid's characteristics

Optional Control System Components:

- 1 Main Valve
- 2 Self-flushing filter
- 3 Cock valve*
- 4 3/2 Solenoid valve
- 5 Accelerator relay (optional for valves larger than 150mm/6")
- 6 Electric float switch

* Optional component



Typical Application

Dorot Electric Float Controlled Valve controlling the water volume in a tank.